Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

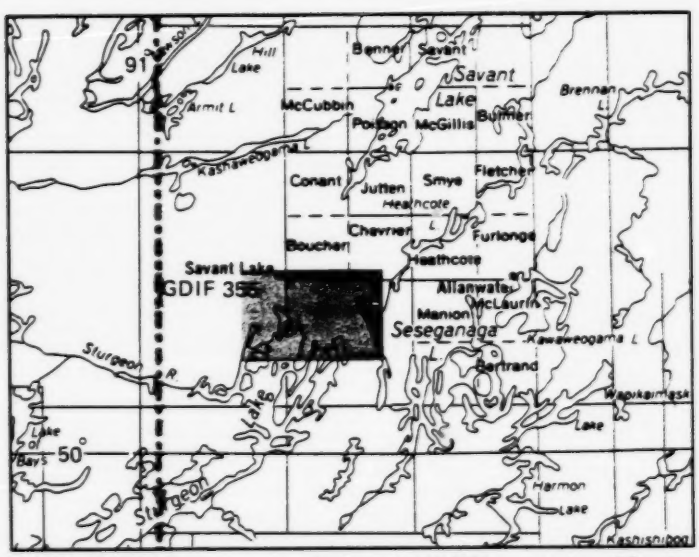
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 355

BECKINGTON LAKE AREA

DISTRICT OF THUNDER BAY

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

87-06507/

NTS Number 52J/02 NE

Mining Claim Map Number G-2352

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1987: Beckington Lake Area, District of Thunder Bay; Ontario Geological Survey, Geological Data Inventory Folio 355, compiled by the staff of the Resident Geologist's Office, Sioux Lookout, 31 p., 6 maps.

Original Compilation by: C. Proctor, A. Gasparetto, M. Sawtelle

Date	Page Revised	Revised by

Date	Page Revised	Revised by

BECKINGTON LAKE AREA

TABLE OF CONTENTS

Data Sources Checklist 1
Metals and Minerals Reference List 2
Mineral Occurrences 3
Type of Work 5
Drill Hole Summary 16
Airborne Geophysical Survey Data 21
Geochemical Survey Data 22
Miscellaneous Data 23
Newspaper Clipping File 24
ODM General Index Search 25
Selected References 26
Notes and Addenda 31

ACCOMPANYING MAPS

Property Location Map 4
Exploration Data Map 2
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	MR/CP
2	Assessment Files Research Office, Toronto	N/A	CP
3	ODM General Index, 9 volumes	YES	MR/CP
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	MR/CP
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	MR/CP
6	ODM Industrial Mineral Reports	NO	MR/CP
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	YES	MR/CP
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	MR/CP
9	Newspaper Clippings File	YES	MR/CP
10	GSC Index to Publications	YES	CP
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	MR/CP
12	OGS Index Maps	YES	MR/CP
13	Source Mineral Deposit Records (O.G.S.)	YES	MR/CP
14	Author - Subject Articles File	NO	MR/CP
15	Miscellaneous Papers: ODM & OGS	YES	MR/CP
16	ODM Geological Circulars: OGS Study Series	NO	MR/CP
17	ODM Preliminary Reports: ODM Bulletins	NO	MR/CP
18	ODM – OGS Open File Reports	YES	MR/CP
19	OGS Northern Ontario Engineering Geology Terrain Studies	NO	MR/CP
20	OGS Aggregate Resources Inventory Papers	NO	MR/CP
21	OGS Mineral Potential Maps	YES	MR/CP
22	Aerial Photograph Index	YES	CP
23	Theses on File in Sioux Lookout and Kenora	NO	CP

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- △ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- ▲ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (fluorspar)
- △ fu. . . . . .Fuchsite
- △ gn. . . . . .Galena
- △ gt. . . . . .Garnet
- △ goe . . . . . .Goethite
- ▲ Au . . . . . Gold
- △ gf. . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . .Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . .Ilmenite
- △ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . .Magnesite
- △ mag . . . . . .Magnetite
- △ mc . . . . . .Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . .Marble
- △ mar. . . . . .Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . .Millerite
- △ mo . . . . . .Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- △ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- △ po . . . . . .Pyrrhotite
- ▲ q . . . . . Quartz
- △ qcv. . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- ▲ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod. . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . .Sphalerite
- △ spd. . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . .Zinc
- △ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	DAVIDSON-CARR PROSPECT	Au,Cu	TBO 125	--	O.G.S. - A.R. Vol. 39, Pt. 2, p.49, Preliminary Map P.1035
B	DAWSON-WHITE MINE	Au	01784	M.R.C.13, p.293	O.G.S. - A.R. Vol. 47, Pt. 1, p.111-112 O.G.S. - O.F.R. 5225, p.190-194 A.F.R.O. 1974, #63.3323 N.M.I. File 52J/02 Au 2
*C	POWELL OCCURRENCE	Au,Cu	--	--	Preliminary Map P. 1035
D	RICHELIEU DEPOSIT (Golden Spur)	Au	TBO 123	M.R.C. 13, p.294	N.M.I. FILE 1960 52J/2 O.G.S. - O.F.R. 5225 p.180-184 A.F.R.O. 1963, Beckington Lake Area, DHR 2, Preliminary Map P.1035
*E	ROWLAND, EUGENE R. (Northern Light Deposit)	Au	--	--	Preliminary Map P.1035 O.B.M. The Sturgeon Lake Gold Field, Vol. XX, Pt.I, p.150
F	WILLIAM LEDIET OCCURRENCE	quartz vn.	--	--	O.B.M. The Sturgeon Lake Gold Field, Vol.XX, Pt.I, p.148

* Note: Depth of these shafts are not available

GDIF FORM NO.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
G	H.W. 691 OCCURRENCE	quartz vein	--	--	O.B.M. - The Sturgeon Lake Gold Field, Vol. XX, Pt. I, p.148
H	A.L. 662 OCCURRENCE	quartz vein	--	--	O.B.M. - The Sturgeon Lake Gold Field, Vol. XX, Pt. I, p.150
I	MAIN SHAFT	Au,Ag	--	--	Resident Geologist Office File 52J/02NE-0055
J	STEWART SHAFT	Au,Ag	--	--	No depth available for shaft, Resident Geologist Office File 52J/02NE-0055
K	CONTACT SHAFT	Au,Ag	--	--	No depth available for shaft, Resident Geologist Office File 52J/02NE-0055

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
A	H.B.O.G. MINING L. (52J/09SW-0027)				74															
B	SELCO EXPLORATION C. L. (52J/02SE-0035-A1)											70								
C	SELCO EXPLORATION C. L. (52J/02SE-0037-A1)												70							
D*	STURGEX MINES L. (52J/02SE-0038-C1)							73												
E	CANEX AERIAL EXPLORATION COMPANY LIMITED THERIAULT, F. THERIAULT, A. CHARTLAND, A. COTE, A. (52J/02SE-0042)	70										70	70							
F	SLOCAN OTTAWA MINES L. SCHIRALLI, R. A. (52J/02SE-0043)											70								
G	CONWEST EXPLORATION C. L. (52J/02SE-0044)								71	71										
H	ROYEX MINING LIMITED (52J/02SE-0045)											70	70							

* Property D is not plotted on the Property Map as it's location is uncertain.

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
I	ROYEX MINING LIMITED sTURGEX MINES LIMITED (52J/02SE-0046)	73						73												
J	ROYEX MINING LIMITED (52J/02SE-0050)	71										71	71							
K	RICHAN EXPLORATION LIMITED (52J/02SE-0051)	70										70	70							
L	CIGLEN, S. (52J/02SE-0053)	81										81	81							
M	POMAC MINES LIMITED (52J/02SE-0054-A1)							74												
N	ROYEX MINES LIMITED (52J/02SE-0054-C1)							72												
O	STURGEX MINES LIMITED (52J/02SE-0056-A1)							72												
P	ROYEX MINES LIMITED (52J/02SE-0055-C1)	71										71	71							
Q	STURGEX MINES LIMITED (52J/01NW-0012)											70	70							

GDIF FORM NO. 2

BECKINGTON LAKE

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
R	NORANDA EXPLORATION C L (52J/02NE-1)											71	71							
S	BLACK, MAURICE (52J/02NE-4)											70								
T	CANADIAN NICKEL C L (52J/02NE-5)				70															
U	CANADIAN NICKEL C L (52J/02NE-6)				68															
V	CANADIAN NICKEL C L (52J/02NE-7)				69															
W	CANADIAN NICKEL C L (52J/02NE-8)				69															
X	CANADIAN NICKEL C L (52J/02NE-9)				69															
Y	CANADIAN NICKEL C L (52J/02NE-10)				70															
Z	CANADIAN NICKEL C L (52J/02NE-11)				69															
AA	KOVAL MINES LIMITED (52J/02NE-12)				63															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
AB	MACDONALD MINING SYNDICATE (52J/02NE-13)											71	71							
AC	MACDONALD CLAIMS (FENELON AND SANDERS) (52J/02NE-14)											71	71							
AD	MACRAE MINING CORP LIMITED (52J/02NE-15)								70	70										
AE	NORANDA EXPLORATION C L (52J/02NE-16)											70	70							
AF	OUILETTE MINES (52J/02NE-17)					48		47												
AG	PHELPS DODGE CORP CANADA (52J/02NE-18)											71								
AH	POMAC MINES LIMITED (52J/02NE-19)							74												
AI	RICHAN EXPLORATION LIMITED OMAR EXPLORATION (52J/02NE-20)											70	70							
AJ	ROYEX MINING LIMITED (52J/02NE-21)											70	70							

BECKINGTON LAKE

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
AK	ROYEX MINING LIMITED (52J/02NE-22)							71 73												
AL	SELCO EXPLORATION C L (52J/02NE-23)											70								
AM	SELCO EXPLORATION C. L (52J/02NE-24)				70															
AN	SLOCAN OTTAWA MINES L (52J/02NE-25)												70							
AO	STURGEX MINES LIMITED (52J/02NE-26)				71															
AP	STURGEX MINES LIMITED (52J/02NE-27)							.70 73												
AQ	STURGEX MINES LIMITED (52J/01NW-12)											70	70							
AR	STURGEX MINES LIMITED (52J/02NE-29)				71															
AS	TAY RIVER MINES LIMITED (52J/02NE-30)					72														
AT	TAY RIVER MINES LIMITED (52J/02NE-31)				72															

GDIF FORM NO.

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
AU	DAVIDSON-CARR MINES (52J/02NE-33)					35		35												
AV	TEXMORE MINES L (52J/02NE-34)							70 72												
AW	TEXMORE MINES L (52J/02NE-35)												70							
AY	SELCO EXPLORATION C L (52J/02NE-37)											70								
AZ	AMAX EXPLORATION INC (52J/02NE-38)											70								
BA	AMAX EXPLORATION INC (52J/02NE-39)	71											71							
BB	NORANDA EXPLORATION C L (52J/02NE-40)											75	75							
BC	NORANDA EXPLORATION C L (52J/02NE-41)				76															
BD	NORANDA EXPLORATION C L (52J/02NE-42)											76	76							
BE	NORANDA EXPLORATION C L (52J/02NE-43)											76	76							

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
BF	UMEX INC (52J/02NE-44)				77															
BG	UMEX INC (52J/02NE-45)				80															
BH	UMEX INC (52J/02NE-46)											81								
BI	UMEX INC (52J/02NE-47)				80															
BJ	UMEX INC (52J/02NE-48)											81								
BK	MOUSSEAU, ARTHUR SHERRITT GORDON (52J/02NE-49)											82		82						
BL	UMEX INC (52J/02NE-50)												82							
BM	UMEX INC (52J/02NE-51)				80 82 83															
BN	UMEX INC (52J/02NE-52)												82							

GDIF FORM NO. 3

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
BO	SHERRITT GORDON MINES L (52J/02NE-53)											82	82							
BP	UMEX INC (52J/02NE-54)											82	82							
BQ	UMEX INC (52J/02NE-55)											82	82							
BR	SHERRITT GORDON MINES L (52J/02NE-56)					83														
BS	CIGLEN, SAMUEL (52J/02NE-57)											83	83							
BT	SHERRITT GORDON MINES L (52J/02NE-58)	81																		
BU	JOHNSON, SHERRIDON (52J/02NE-59)	82																		
BV	CANDORE EXPLORATIONS L (52J/02NE-60)	20																		
BW	POLLOCK, JOHN A (52J/02NE-61)				84															

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
BX	UMEX INC (52J/02NE-62)	83	83		82 83			83												
BY	UMEX INC (52J/02NE-63)											83								
BZ	UMEX INC (52J/02NE-64)												83							
CA	UMEX INC (52J/02NE-65)		83			83														
CB	NORTH ENGINEERING SERVICES LIMITED (52J/02NE-66)													83						
CC	PETROMET RESOURCES L (52J/02NE-67)		84			84														
CD	UMEX INC (52J/02NE-68)				84															
CE	PETROMET RESOURCES L (52J/02NE-69)	84	84									84	84							
CF	SHERRITT GORDON MINES L (52J/02NE-70)		84																	

GDIF FORM NO.

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
CG	UMEX INC (52J/02NE-71)	84																		
CH	POLLOCK, JOHN A (52J/02NE-72)				84															
CI	UMEX INC (52J/02NE-73)				84	84														
CJ	UMEX INC (52J/02NE-74)	85																		
CK	UMEX INC (52J/02NE-75)				84															
CL	GRANDAD RESOURCES L (52J/02NE-76)				85															
CM	UMEX INC (52J/02NE-77)		84																	
CN	UMEX INC (52J/02NE-78)												85							
CO	UMEX INC (52J/02NE-79)												85							

GDIF FORM N

TYPE OF WORK

Numbers below represent the year in which the work was done; e.g., 68 for 1968.

	EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT — COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
CP	UMEX INC (52J/02NE-80)				85															
CQ	UMEX INC (52J/02NE-81)				85								83							
CR	UMEX INC (52J/02NE-82)				86															
CS	UMEX INC (52J/02NE-83)					86														
CT	UMEX INC (52J/02NE-84)											84	84							
CU	COASTORO R. (JOHN POLLOCK) (52J/02NE-85)				86															
CV	MINE LAKE RESOURCES (52J/02NE-86)																			

GDIF 1 OHM NO.

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Dat Included for
1	Canadian Nickel Company of Canada Limited	37668	1968	--	-50	16.0	206	py,po	--
2		37686	1968	--	-55	2.0	120	py,po,cp	--
3		37639	1969	--	-50	7.0	200	py,po,cp	--
4		37685	1969	--	-50	5.0	150	py,po,cp	--
5		43492-0	1970	270	-50	--	172	py,po	--
6		37687	1969	--	-40	3.0	120	py,po	--
7		37688	1969	--	-50	28.0	142	py,po	--
8		43491	1970	270	-45	--	162	py,po	--
9	Koval Mines Limited	#1	1963	135SE	45	--	108	cp	--
		#2	1963	165SE	40	--	107	--	--
		#3	1963	185SW	--	--	110	--	--
10		#4	1963	315NW	10	--	142	--	--
11		#5	1963	320NW	15	--	101	--	--
12	Selco Exploration C L	242-D-3	1970	260	-45	7.0	156	py,cp,po	--
13		242-D-6	1970	305	-45	5.0	132	py,po	--
14		242-D-2	1970	285	-45	5.0	148	py,po	--
15		242-D-1	1970	290	-45	12.0	160	py,po	--

GDIF FORM

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
16	Selco Exploration C L	242-D-4	1970	270	-45	10.0	150	py,po	--
17		242-D-5	1970	255	-45	18.0	158.5	py	--
18	Sturgex Mines Limited	10	1971	East	-45	--	445	py,po,cp	--
19		11	1971	East	-45	8	354.8	py,po	--
20		12	1971	East	-45	12	204	py,cp	--
21		13	1971	East	--	--	253	py,po,cp	--
22		14	1971	East	-45	8	282.5	py,po	--
23		15	1971	East	-45	8.5	461.5	py,po,cp	--
24		16	1971	East	-45	10	259	py,po,cp	--
25		18	1971	N60E	-45	11.2	381	py,po	--
26		24	1971	East	-45	88	400	--	--
27		2	1971	East	-45	38	276	py,po	--
28		1	1971	East	-45	52	487	py	--
29	Tay River Mines Ltd	1	1972	E30N	-45	8	196	py,po	--
30		2	1972	E4N	-45	10	109	py	--
31		2A	1972	E4N	-45	10	101	py,po	--
32		3	1972	E2S	-45	6	103	py	--
33		4	1972	E4N	-45	16	203	py,po	--

GSIF FORM NO.

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
34	Tay River Mines L	5	1972	E11S	-45	10	114	py,po	--
*35	Hudson's Bay Oil & Gas	S-A-73-1	1974	245	55	18.0	181	py,cp,po	Au,Ag,Zn,
36		S-AL-73-1	1974	225	45	14.0	126.5	--	Au,Ag,Cu, Zn,Ni
37	Noranda Exploration	BK-1-76	1976	225	54	53	304	cp,py,po,mag	--
38		BK-2-76	1976	225	50	15	300	py,po	--
39	Umex Inc	B-1	1977	West	45	15	150	--	Cu,Ni,Zn, Au,Ag,Pb
40		Be-5	1980	250	50	43	447	py,cp,po	Cu,Ni,Zn, Au,Ag,Pb
41		Be#2	1980	250	50	8	350	py,po,cp	Cu,Ni,Zn, Ag,Au,Pb
42		Be#3	1980	250	50	28	377	py,cp	Ni,Cu,Zn, Ag,Au,Pb
43		Be#4	1980	250	50	104	315	py,po,cp	Ni,Cu,Zn, Au,Ag,Pb
44		BE-1	1980	250	-50	23.5	401	py,po,cp	Ni,Cu,Zn, Au,Ag,Pb
45		B-6A	1982	250	-50	145	145	--	Cu,Ni,Zn, Au,Ag,Pb
46		B-6B	1982	250	-75	172	507	py,po,cp	Cu,Ni,Zn, Au,Ag,Pb

GDIF FORM NO

*Hudson Bay Oil & Gas drilled 19 holes altogether; other 17 holes are plotted on NTS Sheet 52J/09 SW

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
47	Umex Inc	B-7	1982	250	-50	34	500	py,po,cp	Cu,Ni,Zn, Au,Ag,Pb
48		B-8	1982	255	-50	10	400	py,po	Cu,Zn,Ni, Au,Ag,Pb
49		B-9	1983	250	-75	84	780	py,po,cp	Cu,Zn,Ni, Au,Ag,Pb
50	Pollock, John A	1	1984	288	-66	--	104	--	--
		2	1984	288	-47	--	13	Hole Abandoned	--
51		3	1984	270	-48	8	137.5	--	--
		4	1984	270	-68	7	168	--	--
52		84-13	1984	270	-45	4	300	--	--
53	Umex Inc	BE-10A-84	1984	25.	-65	5m	32m	py,po	multi-spectoral
		BE-10-84	1984	250	-67	5m	322m	py,po,cp	multi-spectoral
54		BE-11-84	1984	250	-60	121m	310m	py,po,cp	multi-spectoral
55		BE-12-84	1984	250	-50	8m	110m	py	multi-spectoral
56	Grandad Resources L	DDH 7	1985	120	-45	12	517	py	--
57	Umex Inc	B-16	1985	250	-54	7.8m	328.3m	py,po,cp	--

GDIF FORM NO. 1

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
58	Umex Inc	B-15	1985	250	-52	6.7m	133.2m	py,po,cp	---
59		B-14	1985	255	-55	2.7m	329.8m	py,po,cp	--
60		B-13	1985	255	-53	1.2m	190.5m	py,po,cp	--
61		B-17	1986	250	-64	31.1m	215.5m	py,po,staur,gt	--
62		B-18	1986	250	-60	6.7m	233.8m	gt,py,po,mag	--
63		B-19	1986	225	-60	12.8m	215.5m	po,gt,py,staur	--
64		B-20	1986	245	-62	18.9m	227.7m	gt,po,py,staur	--
65		B-21	1986	250	-60	3.7m	197.2m	py,po,ep,gt	--
		B-21A	1986	250	-60	3.7m	25.0m	hole abandoned	--
66	Mine Lake Resources	1	1986	W25S	-45	12m	64m	py,po	--
67		2	1986	W30S	-45	3m	73m	py,po,cp	--
68		3	1986	W25S	-45	3m	199m	py,po,cp	--

GDIF FORM NO. 1

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
G	By: Questor Surveys(1970-71) For: Conwest & Selco Expls.	Magnetic and Electromagnetic	150 400	NW/SE N/S	1/8 mile 1/4 mile
AD	By: Seigal Associates (1970) For: McRae Mining Corp	Magnetic and Electromagnetic	150	N/S	400'
1.	By: Spartan Air Services (1960) For: Map 7122	Magnetic Survey	500 1000	--	1"=4 miles 1:253,440

GDIF FORM NO. 1

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Resident Geologist Office Files Reference
BX	Rock	Ag	Umex Inc	52J/02NE-62
CA	Rock	Cu,Zn,Pb,Ni	Umex Inc	52J/02NE-63
CC	Humus, Soil	Au	Petromet Resources L	52J/02NE-67
CE	Humus, Soil	Au	Petromet Resources L	52J/02NE-69
CF	Rock	Au	Sherritt Gordon Ms L	52J/02NE-70
CM	Rock	Au,As,Sb,Mo	Umex Inc	52J/02NE-77

GDIF FORM N

Note: Due to the large number of samples collected, individual samples are not listed or plotted on the exploration map.

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No Data as of	March 1986		

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Sioux Lookout

Pomac File P p.2

ODM GENERAL INDEX SEARCH

Words searched: Beckington Lake, Sturgeon Lake, Davidson-Carr, Dawson-White, Powell, Richelieu, Ouilette Lake, Richan Lake, Wellington lake, Northern Light Deposit

Index Volume	Listing:	Report Volume	Part	Page
III	Sturgeon Lake Gold Area	XXXIX	II	36-50
III	Map 39b	XXXIX	II	
II	Geology Along an Eastern Ccntinuation of Nivens 4th Base Line	XXXIII	VI	18-39
I	The Sturgeon Lake Gold Field	XX	I	133-157
III	Statistical Review of the Mineral Industry	XLVI	I	60
III	Statistical Review of the Mineral Industry	XLVII	I	111
I	Ontario Gold Deposits - Sturgeon Lake	XXX	II	41

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Robertson, James A	1976	Mineral Potential Map of Ontario, West Central Sheet, Ontario Division of Mines, Preliminary Map P.1098, Mineral Deposits Series Compilation 1972/73/75.	P.1098	1"=16 miles 1:1,013,760
Gordon, J. B.	1977	Gold Deposits of Ontario, West Central Sheet Districts of Kenora, Thunder Bay, Algoma and Cochrane, Ontario Geological Survey Preliminary Map P.1227, Mineral Deposit Series, Compilation 1974/75/76.	P.1227	1"=16 miles 1:1,013,760
Springer, Janet S.	1978	Ontario Mineral Potential, Sioux Lookout Sheet, District of Kenora and Thunder Bay; Ontario Geological Survey Preliminary Map P.1537.	P.1537	1:250,000
Graham, A. R.	1929	Sturgeon Lake Area Map, Geological Series	39b	1"-2 miles 1:126,720
Trowell, N.F.	1978	Open File Report, Geology of the Sturgeon Lake - Chevrier Tp. Area, Thunder Bay District, Ontario Geological Survey, accompanied by Maps P.1495/1496.	OFR 5250	--
Trowell, N. F.	1977	Sturgeon Lake - Chevrier Tp. Area (Western Half), District of Thunder Bay; Ontario Geological Survey Preliminary Map, Geological Series, Geology 1974-1976.	P.1495	1:15,840 1"=1/4 mile
Trowell, N. F.	1980	Open File Report, Geology of the Sturgeon Lake Area, Kenora and Thunder Bay Districts, Ontario Geological Survey.	OFR 5291	--

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Tanton, T. L.	1939	Geological Map, Kenora Sheet	266A	1:506,880 1"=8 miles
Davies, J. C. Pryslak, A. P. Pye, E. G.	1965/66	Geological Compilation Series Map, Sioux Lookout/Armstrong Sheet	2169	1:253,440 1"=4 miles
Davies, J. C. Pryslak, A. P.	1966	Preliminary Geological Map, Minnitaki/ Sturgeon Lake Sheet, District of Kenora and Thunder Bay, Geological Compilation Series	P.353	1"=2 miles
Breaks, F. W.	1976/79	Ontario Geological Map, Sioux Lookout/ Armstrong Sheet, Geolo-ical Compilation Series	2442	1:253,440 1"=4 miles
Trowell, N. F.	1981	Beckington Lake, Ontario Geological Survey Precambrian Geology Series, Geology 1974/ 1975. Related Maps P.353, P.354, P.1495, P.1496, accompanied by GR 200	2431	1:31,680 1"=1/2 mile
Trowell, N. F.	1976	Airborne Gamma-Ray Spectrometry Survey, Equivalent Thorium ppm Contours, Sioux Lookout Sheet, Districts of Kenora and Thunder Bay, Ontario Department of Mines Preliminary Map, Geophysical Series. Survey and compilation for Ontario Division of Mines and Geological Survey of Canada, 1975.	P.1113	1:250,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Neilson, J. N. Brae, R. C. E.	1981	Open File Report, Feasibility of Small Scale Gold Mining in Northwestern Ontario, Kenora, Rainy River and Thunder Bay Districts, Volume I and II.	OFR 5332	--
Palonen, P. A. Speed, A. A.	1975	Beckington Lake Area, District of Kenora, Ontario Division of Mines Preliminary Map, Data Series.	P.1035	1:15,840 1"= 1/4 mile
Janes, D. A. Speed, A. A.	1980	1979 Report of Sioux Lookout Resident Geologist, Annual Report of Regional and Resident Geologist.	MP.91	--
Gledhill, T. L.	1925	The Gold Quartz Veins and Igneous Rocks of the Sturgeon Lake Gold Field, District of Thunder Bay.	Thesis	--
Trowell, N. F.	1981	North Arm of Sturgeon Lake; Ontario Geological Survey Map 2456, Precambrian Geology Series.	2456	1:50,000
Ferguson, S. A. Groen, H. A. Haynes, R.	1971	Gold Deposits of Ontario: Part I, Districts of Algoma, Cochrane, Kenora, Rainy River and Thunder Bay; Ontario Division of Mines.	M.R.C. 13	p. 293-294
Trowell, N. F.	1981	Geology of the Beckington Lake Area, District of Thunder Bay; Ontario Geological Survey Report 200, 62p. accompanied by Map 2431.	G.R. 200	1:31,680 1"= 1/2 mile
Trowell, N. F.	1983	Geology of the Squaw Lake - Sturgeon Lake Area, Dist. of Thunder Bay; Ontario Geological Survey Report 227, 114p. accompanied by Map 2420.	2420	1:31,680 1"= 1/2 mile

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
G.S.C.	1976	Federal Provincial Uranium Reconnaissance Program, Airborne Gamma-Ray Spectrometry Data, Sioux Lookout, Ontario (52J), Open File 330.	Open File 330	--
Trowell, N. F.	1983	Geology of the Sturgeon Lake Area, Districts of Thunder Bay and Kenora; Ontario Geological Survey Report 221, 97p, accompanied by Maps 2456, 2457, and 2458.	Map 2456 2457 2458	1:50,000 1 chart 1 microfiche
Barlow, R. B. Wadge, D. R. Dusanowsky J, T. H.	1975	Bouger Gravity Map of the Sturgeon Lake Area, Districts of Kenora and Thunder Bay, Ontario Division of Mines, Geophysical Series Preliminary Map 1050.	P.1050	1:126,720 1"=2 miles
O.D.M.	1965	Aeromagnetic Series, Sioux Lookout, Ontario	7122G	1:253,440 1"=4 miles
O.D.M.	1961	Aeromagnetic Series, Sturgeon Lake; Kenora and Thunder Bay Districts.	1118G	1:63,360 1"=1 mile
Tanton, T. L.	1939	Kenora Sheet, Geological Series, Ontario Department of Mines.	266A	1:506,880 1"=8 miles
Trowell, N. F.	1975	Sturgeon Lake-Chevrier Tp. Area and Sturgeon Lake Area, District of Thunder Bay; p.34-38, in Summary of Field Work, 1975 by the Geological Branch, edited by V. G. Milne, D. F. Hewitt, K. D. Card and J. A. Robertson, O.D.M. M.P. 63, 158p.	M.P. 63	--

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Trowell, N. F. Blackburn, C. E. Edwards, G. Sutcliffe, R. H.	1977	Savant Lake - Crow Lake Special Project, District of Kenora; p.29-37 in Summary of Field Work, 1977 by the Geological Branch edited by V. G. Milne, O. L. White, R. B. Barlow, and J. A. Robertson, O.G.S. M.P. 75, 208p.	M.P. 75	--
Barlow, R.B.	1974	Ground Vertical Component Magnetics, Sturgeon Lake Area, Ouilette Lake-Coveney Island Sheet, District of Thunder Bay; Ontario Division of Mines, Preliminary Map P. 958, Geophysics Service	P. 958	1"=1mile

GDIF FORM NO.9

NOTES AND ADDENDA

AERIAL PHOTOGRAPH INDEX

Scale 1"= 1/4 mile (OGS)

Year	Line	Numbers
1953	A13906	74
		75
		76
		77
1954	A14061	61
		62
		63
		64

MAPS
NOT
FILMED

CARTES
OMISES